

In the Claims.

Claims 1-50. Cancelled.

51. (Currently amended.) A proppant/sand control particulate of a selectively configured porous particulate comprising a porous particulate treated with a non-porous penetrating, coating and/or glazing material wherein the internal porosity of the porous particulate is between from about 10 to about 75 volume percent.

52. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein either:

(i.) the apparent specific gravity of the selectively configured porous particulate is less than the apparent specific gravity of the porous particulate;

(ii.) the permeability of the selectively configured porous particulate is less than the permeability of the porous particulate; or

(iii.) the porosity of the selectively configured porous particulate is less than the porosity of the porous particulate.

53. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 52, wherein the apparent specific gravity of the selectively configured porous particulate is less than the apparent specific gravity of the porous particulate.

54. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the penetrating, coating and/or glazing material is capable of encapsulating air or a lightweight fluid within the porous particulate.

55. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the selectively configured porous particulate exhibits crush resistance under conditions as high as 10,000 psi closure stress, API RP 56 or API RP 60.

56. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 55, wherein the selectively configured porous particulate exhibits crush resistance under conditions from about 250 to about 8,000 psi closure stress.

57. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the porous particulate is treated with a liquid and/or curable resin, plastic, cement, sealant, or binder.

58. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 57, wherein the porous particulate is treated with a resin, plastic or binder.

59. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 58, wherein the porous particulate is coated and/or penetrated with a phenol formaldehyde, melamine formaldehyde, urethane, or epoxy resin.

60. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 57, wherein the porous particulate is penetrated with nylon, polyethylene or polystyrene or a combination thereof.

61. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 57, wherein the coating and/or penetrating material is a liquid having an apparent specific gravity less than the apparent specific gravity of the porous particulate.

62. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the porous particulate comprises a multitude of coated particulates bond together.

63. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the strength of the selectively configured porous particulate is greater than the strength of the porous particulate.

64. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the porous particulate has a maximum length-based aspect ratio of equal to or less than about 5.

65. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the porous particulate is a ceramic or organic polymeric material.

66. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 65, wherein the porous particulate is a ceramic.

67. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 65, wherein the organic polymeric material is a polyolefin, styrene-divinylbenzene copolymer, polyalkyl acrylate ester, an ethyl carbamate-based resin or a modified starch.

68. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the porous particulate is a naturally occurring material.

69. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the selectively configured porous particulate has an apparent

density from about 1.1 g/cm³ to about 2.6 g/cm³ and a bulk apparent density from about 1.03 g/cm³ to about 1.4 g/cm³.

70. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51 68, wherein the porous particulate ~~has an internal porosity from about 10 to about 75 volume present~~ is a lightweight volcanic rock or lava.

71. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the porous particulate is a relatively lightweight and/or substantially neutrally buoyant particulate.

72. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 71, wherein the apparent specific gravity of the porous particulate is less than or equal to 2.4.

73. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 72, wherein the apparent specific gravity of the porous particulate is less than or equal to 2.25.

74. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 73, wherein the apparent specific gravity of the porous particulate is less than or equal to 2.0.

75. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 74, wherein the apparent specific gravity of the porous particulate is less than or equal to 1.75.

76. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 75, wherein the apparent specific gravity of the porous particulate is less than or equal to 1.25.

77. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the size of the selectively configured porous particulate is between from about 200 mesh to about 8 mesh.

78. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the coating or penetrating layer is present in the selectively configured porous particulate in an amount of from about 0.5 to about 10% by weight of total weight.

79. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the thickness of the coating of the selectively configured porous particulate is from about 1 to about 5 microns.

80. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the extent of penetration of the penetrating material is from less than about 1% penetration by volume to less than about 25% penetration by volume.

81. (Currently Amended.) The proppant/sand control selectively configured porous particulate of Claim 51, wherein the selectively configured porous particulate has a glazed surface.

82. (Currently Amended.) A sand control particulate comprising at least one selectively configured porous particulate of Claim 51 comprising a porous particulate treated with a non-porous penetrating, coating and/or glazing material wherein the porosity of the selectively configured porous particulate is less than the porosity of the porous particulate.

83. (Currently Amended.) A proppant comprising at least one selectively configured porous particulate of Claim 51, wherein the porosity and permeability of the selectively configured porous particulate is such that a fluid may be drawn at least partially into its porous matrix by capillary action.

84. (Currently Amended.) A composition for treating a well comprising a suspension of at least one proppant/sand control selectively configured porous particulate of Claim 51 and a carrier.

85. (Original.) The composition of Claim 84, wherein the carrier is a completion or workover brine, salt water, fresh water, or liquid hydrocarbon or a mixture thereof or a gas, a liquefied gas or a foamed gas.

86. (Original.) The composition of Claim 85, wherein the carrier is a liquid carbon dioxide based system, carbon dioxide/nitrogen or foamed nitrogen in carbon dioxide.

87. (Original.) The composition of Claim 84, which further comprises a gelling agent, crosslinking agent, gel breaker, surfactant, foaming agent, demulsifier, buffer, clay stabilizer, acid or a mixture thereof.

88. (Original.) The composition of Claim 84, wherein the carrier fluid is a non-gelled carrier fluid containing a friction reducer.

89. (New) The selectively configured porous particulate of Claim 82, wherein the porous particulate is treated with a liquid and/or curable resin, plastic, cement, sealant, or binder.

90. (New) The selectively configured porous particulate of Claim 89, wherein the porous particulate is treated with a resin, plastic, or binder.

91. (New) The selectively configured porous particulate of Claim 90, wherein the porous particulate is coated and/or penetrated with a phenol formaldehyde, melamine formaldehyde, urethane, or epoxy resin.

92. (New) The selectively configured porous particulate of Claim 82, wherein the porous particulate is penetrated with nylon, polyethylene or polystyrene or a combination thereof.

93. (New) The selectively configured porous particulate of Claim 82, wherein the porous particulate comprises a multitude of coated particulates bond together.

94. (New) The selectively configured porous particulate of Claim 82, wherein the porous particulate is a ceramic or organic polymeric material.

95. (New) The selectively configured porous particulate of Claim 94, wherein the organic polymeric material is a polyolefin, styrene-divinylbenzene copolymer, polyalkyl acrylate ester, an ethyl carbamate-based resin or a modified starch.

96. (New) The selectively configured porous particulate of Claim 82, wherein the porous particulate is a naturally occurring material.

97. (New) The selectively configured porous particulate of Claim 82, wherein the selectively configured porous particulate has an apparent density from about 1.1 g/cm³ to about 2.6 g/cm³ and a bulk apparent density from about 1.03 g/cm³ to about 1.4 g/cm³.

98. (New) The selectively configured porous particulate of Claim 83, wherein the porous particulate is treated with a liquid and/or curable resin, plastic, cement, sealant, or binder.

99. (New) The selectively configured porous particulate of Claim 98, wherein the porous particulate is coated and/or penetrated with a phenol formaldehyde, melamine formaldehyde, urethane, or epoxy resin.

100. (New) The selectively configured porous particulate of Claim 83, wherein the porous particulate is penetrated with nylon, polyethylene or polystyrene or a combination thereof.

101. (New) The selectively configured porous particulate of Claim 83, wherein the porous particulate comprises a multitude of coated particulates bond together.

102. (New) The selectively configured porous particulate of Claim 83, wherein the porous particulate is a ceramic or organic polymeric material.

103. (New) The selectively configured porous particulate of Claim 102, wherein the organic polymeric material is a polyolefin, styrene-divinylbenzene copolymer, polyalkyl acrylate ester, an ethyl carbamate-based resin or a modified starch.

104. (New) The selectively configured porous particulate of Claim 83, wherein the porous particulate is a naturally occurring material.

105. (New) The selectively configured porous particulate of Claim 83, wherein the selectively configured porous particulate has an apparent density from about 1.1 g/cm³ to about 2.6 g/cm³ and a bulk apparent density from about 1.03 g/cm³ to about 1.4 g/cm³.